

Yang 09/966,571

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L34 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

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TITLE: **Arrays devices** and methods of use thereofINVENTOR(S): **Wagner, Peter**

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 36 pp., Cont.-in-part of U.S. 6,329,209.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 7

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002119579	A1	20020829	US 2001-966571	20010926
US 6406921	B1	20020618	US 1998-115455	19980714
US 6329209	B1	20011211	US 1999-353555	19990714
PRIORITY APPLN. INFO.:			US 1998-115455 A2	19980714
			US 1999-353555 A2	19990714

AB Arrays of protein-capture agents useful for the simultaneous detection of a plurality of proteins which are the expression products, or fragments thereof, of a cell or population of cells in an organism are provided. A variety of antibody arrays, in particular, are described. Methods of both making and using the arrays of protein-capture agents are also disclosed. The invention arrays are particularly useful for various proteomics applications including assessing patterns of protein expression and modification in cells.

IC ICM G01N033-543

NCL 436518000

CC 9-1 (Biochemical Methods)

ST protein microarray

IT Animal tissue culture

Biochemical molecules

Cell

Electroporation

Human

Immobilization, molecular or cellular

Microarray technology

Monolayers

Photolithography

Photoresists

Protein microarray technology

(arrays devices and methods of use thereof)

IT Proteins

RL: ANT (Analyte); ANST (Analytical study)

(arrays devices and methods of use thereof)

IT Immunoglobulins

RL: ARU (Analytical role, unclassified); ANST (Analytical study)

(arrays devices and methods of use thereof)

IT Antibodies

RL: ARU (Analytical role, unclassified); PEP (Physical, engineering or chemical process); PYP (Physical process); ANST (Analytical study); PROC (Process)

(arrays devices and methods of use thereof)

IT Animal cell

(mammalian; **arrays devices** and methods of use thereof)

IT Isomerization
(photoisomerization; **arrays devices** and methods of use thereof)

IT Coating process
(spin; **arrays devices** and methods of use thereof)

IT 147072-47-7P
RL: ARU (Analytical role, unclassified); DEV (Device component use); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); PROC (Process); USES (Uses)
(**arrays devices** and methods of use thereof)

IT 7440-21-3, Silicon, uses 7440-32-6, Titanium, uses 7440-57-5, Gold, uses
RL: DEV (Device component use); USES (Uses)
(**arrays devices** and methods of use thereof)

IT 2834-05-1, 11-Bromoundecanoic acid 6066-82-6, N-Hydroxysuccinimide
7772-98-7, Sodium thiosulfate
RL: RCT (Reactant); RACT (Reactant or reagent)
(**arrays devices** and methods of use thereof)

IT 23483-56-9P, 11,11'-Dithiobis(undecanoic acid) 147708-36-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(**arrays devices** and methods of use thereof)